



FIG. 10. NOAA WP-3D 350-m AGL flight-level traces with 1-s resolution for the period 0407–0422 UTC 4 January 1989 of wind direction (deg, bold line), wind speed (m s^{-1} , thin line), 1-min-averaged horizontal wind velocity vectors (as in Fig. 2), temperature ($^{\circ}\text{C}$), equivalent potential temperature (K), vertical velocity (m s^{-1}), and sea level pressure (mb). Spatially unadjusted aircraft coordinates are shown at the beginning and end of the time series. West is on the left side of the time series.